ABSTRACT OF THE DISCLOSURE

Artifact reduction is achieved by altering the growth of sub-cells for each super-cell in either a pre-determined or random manner. The means of alteration is selected such that the sum of all the groups equals a halftone value. In another embodiment, the random group is selected by using predetermined patterns which are different among sub-cells, such as different means of constructing a dot. Preferably a different pattern is used in adjacent super-cells. In yet another embodiment, the method selects sub-cells patterns that are not aligned on the super-cell boundaries.